## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 1741

0.29.99

Examiner:

alanten 9 007 1 8 1999

In re the application of: Hsu et al.

Serial No.: 09/352,093

Filed: July 14, 1999

For: ULTRA-HIGH EFFICIENCY TURBINE AND FUEL

**CELL COMBINATION** 

Attorney Docket No.: HSE-020CPCN2

Assistant Commissioner for Patents Washington, D.C. 20231

Certificate of First Class Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on the date set forth below.

September 29, 1999

Date of Signature and of Mail Deposit

By:

Anthony A. Laurenteno

Reg. No. 38,220

Attorney for Applicants

## INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.56, §1.97, and §1.98, Applicants herewith make of record the following publications which may be material during the prosecution of the above-referenced patent application.

- U<sub>2</sub>S. Patent No. 3,505,114 (Rohr)
- U.S. Patent No. 3,607,427 (White)
- U.S. Patent No. 3,616,334 (Aker et al.)
- U.S. Patent No. 3,964,930 (Reiser)
- U.S. Patent No. 4,056,452 (Campbell)
- U.S. Patent No. 4,085,016 (Janjua et al.)
- U.S. Patent No. 4,087,976 (Morrow, Jr. et al.)
- U.S. Patent No. 4,197,362 (Schmidberger et al.)
- U.S. Patent No. 4,310,605 (Early et al.)
- U.S. Patent No. 4,041,210 (Van Dine)
- U.S. Patent No. 4,482,440 (Kadija)
- U.S. Patent No. 4,490,445 (Hsu)
- U.S. Patent No. 4,574,112 (Breault et al.)
- U.S. Patent No. 4,583,583 (Wittel, deceased)
- U.S. Patent No. 4,629,537 (Hsu)
- U.S. Patent No. 4,644,751 (Hsu)
- U.S. Patent No. 4,721,556 (Hsu)
- U.S. Patent No. 4,853,100 (Hsu)
- U.S. Patent No. 4,923,768 (Kaneko et al.)
- U.S. Patent No. 5,035,727 (Chen)
- U.S. Patent No. 5,083,425 (Hendriks et al.)
- U.S. Patent No. 5,161,369 (Williams)
- U.S. Patent No. 5,212,023 (Diethelm)
- U.S. Patent No. 5,338,622 (Hsu et al.)
- U.S. Patent No. 5,347,806 (Nakhamkin)
- U.S. Patent No. 5,360,679 (Buswell et al.)
- U.S. Patent No. 5,387,399 (Nishida et al.)
- U.S. Patent No. 5,413,879 (Domeracki et al.)
- U.S. Patent No. 5,449,568 (Micheli et al.)
- U.S. Patent No. 5,462,817 (Hsu)
- U.S. Patent No. 5,693,201 (Hsu et al.)

French Publication No. 1.436.747 (Souriau), published July 1, 1966. A database search did not reveal an English abstract for this publication.

English translated abstract for Japanese Publication No. 58-005974, published January 13, 1983.

Japanese Publication No. 60-195880, published October 4, 1985, including English translated abstract.

Japanese Publication No. 61-24169, published February 1, 1986, including English abstract.

Japanese Publication No. 64-84578, published March 29, 1989, including English abstract.

European Publication No. 0 170 277 (Application No. 85109622.2), published February 5, 1986.

European Publication No. 0 246 649 (Application No. 87107407.6), published November 25, 1987.

European Publication No. 0 374 636 (Application No. 89122672.2), published June 27, 1990, including English translated abstract.

European Publication No. 0 399 077 (Application No. 89109427.8), published November 28, 1990.

European Publication No. 0 400 701 (Application No. 90201212.9), published December 5, 1990.

European Publication No. 0 530 451 (Application No. 92109697.0), published March 10, 1993.

PCT WO 92/07392 (Application No. PCT/DE91/00781), published April 30, 1992.

PCT WO 94/13026 (Application No. PCT/US93/11409), published June 9, 1994.

M. Krumpelt et al., "Systems Analyses for High-Temperature Fuel Cells", Extended Abstracts, Abstract No. 178, Princeton, New Jersey, Vol. 87, pp. 261-262 (October 1987).

M. Hsu, "Lightweight Zirconia Power Package for Space Applications" Proceedings of the 26th Intersociety Energy Conversion Engineering Conference, Boston (Aug. 4-9, 1991, Institute of Electrical and Electronics Engineers) Vol. 3, pp. 498-503, 4 August 1991.

M. Hsu et al., "Planar Solid Oxide Fuel Cell Technology Development" Proceedings of the 26th Intersociety Energy Conversion Engineering Conference, Boston (Aug. 4-9, 1991, Institute of Electrical and Electronics Engineers) Vol. 3, pp. 606-610, 4 August 1991.

This statement is *not* to be interpreted as a representation that the cited publications are material, that Applicants have conducted an exhaustive search, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, the Applicants understand the Examiner will make an independent evaluation of the cited publications.

Applicants note that this application is a continuation of copending patent application Serial No. 08/977,835, and thus copies of the above-referenced publications are not provided, in full compliance with 37 C.F.R. 1.98(d).

A reproduction of PTO Form 1449 accompanies this statement.

No costs are believed due in connection with the filing of this Information Disclosure Statement. However, if there are any associated costs, please charge them to our Deposit Order Account No. 12-0080.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

Anthony A Laprentano

Registration No. 38,220

Attorney for Applicants

28 State Street Boston, MA 02109 (617) 227-7400

Date: September 29, 1999